

WHAT IS CLAIMED IS:

1. An electro-optical apparatus, comprising:  
a pair of substrates, the pair of substrates having an outer surface;  
an electro-optical element sandwiched between the pair of substrates;  
5 and  
an antistatic layer provided on the outer surface of at least one of the  
pair of substrates.
2. The electro-optical apparatus according to claim 1, the antistatic layer  
being formed of an inorganic material.
- 10 3. The electro-optical apparatus according to claim 2, the antistatic layer  
being formed of silica and conductive particulates.
4. The electro-optical apparatus according to claim 3, the antistatic layer  
having a resistance value ranging from  $10^6$  to  $10^9 \Omega/\square$ .
- 15 5. A projector comprising the electro-optical apparatus according to  
claim 1.
6. A projector, comprising:  
a light source;  
a color separating optical system that separates a light beam emitted  
from the light source into a plurality of colors;  
20 a plurality of electro-optical apparatuses that modulate the color beams  
that have been separated by the color separating optical system, the plurality of  
electro-optical apparatuses including the electro-optical apparatus according to  
claim 1;  
a prism that synthesizes the color beams that have been modulated by  
25 these electro-optical apparatuses; and  
a projection lens that projects light emitted from the prism.
7. The projector according to claim 6, further comprising a synthetic resin  
component, the synthetic resin component being provided with antistatic treatment.
8. The projector according to claim 7, the synthetic resin component  
30 being a holding frame that holds the electro-optical apparatus.
9. A projector, comprising:  
a light source;

 09694406-062704  
 T02290-904T6860

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus; and

5 a field lens disposed adjacent to a light source side of the electro-optical apparatus, at least one surface of the field lens being provided with at least one of an antistatic layer and an antistatic treatment.

10. A projector, comprising:

a light source;

10 an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus; and

15 an incident polarizer disposed adjacent to a light source side of the electro-optical apparatus, at least one surface of the incident polarizer being provided with at least one of an antistatic layer and an antistatic treatment.

11. A projector, comprising:

a light source;

20 an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus;

25 a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

an incident polarizer disposed adjacent to a light source side of the electro-optical apparatus, the incident polarizer being bonded to the light transmitting substrate.

12. A projector, comprising:

30 a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus; and

09591406-062701

an emergent polarizer disposed adjacent to a projection lens side of the electro-optical apparatus, at least one surface of the emergent polarizer being provided with at least one of an antistatic layer and an antistatic treatment.

13. A projector, comprising:

5 a light source;  
an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus;

10 a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

an emergent polarizer disposed adjacent to a projection lens side of the electro-optical apparatus, the emergent polarizer being bonded to the light transmitting substrate.

14. A projector, comprising:

a light source;  
an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

20 a projection lens that projects a light beam emitted from the electro-optical apparatus; and

a phase plate disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, at least one surface of the phase plate being provided with at least one of an antistatic layer and an antistatic treatment.

15 15. A projector, comprising:

a light source;  
an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

30 a projection lens that projects a light beam emitted from the electro-optical apparatus;

a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

a phase plate disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, the phase plate being bonded to the light transmitting substrate.

- 5           16.    A projector, comprising:

              a light source;

              an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

              a projection lens that projects a light beam emitted from the electro-optical apparatus; and

10           a visual angle compensating film disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, at least one surface of the visual angle compensating film being provided with at least one of an antistatic layer and an antistatic treatment.
17.    A projector, comprising:

15           a light source;

              an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

              a projection lens that projects a light beam emitted from the electro-optical apparatus;

20           a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

              a visual angle compensating film disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, the visual angle compensating film being bonded to the light transmitting substrate.

25           18.    A projector, comprising:

              a plurality of electro-optical apparatuses that modulate a plurality of color beams;

              a prism that synthesizes the color beams that have been modulated by the electro-optical apparatuses, the prism having a light incident end surface provided with at least one of an antistatic layer and an antistatic treatment; and

30           a projection lens that projects the light emitted from the prism.